

Applicant: Bing Zhou, et al.

Serial No. 10/618,808

Att'y Docket No. 15913.39.1

Confirmation No. 5792

Group: 1754

Filing Date: July 14, 2003

For:

SUPPORTED CATALYSTS HAVING A CONTROLLED  
COORDINATION STRUCTURE AND METHODS FOR  
PREPARING SUCH CATALYSTSINFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

Examiner Initial*	Document Number	Issue Date	Name
WAL 1	5,169,618	12/08/1992	Maraschino, et al.
WAL 2	5,480,629	01/02/1996	Thompson, et al.
WAL 3	6,551,960	04/22/2003	Laine, et al.

Foreign Patent Documents

Examiner Initial*	Document Number	Publication Date	Country or Patent Office
WAL 4	JP05017106	01/26/1993	Japan
WAL 5	JP07033410	02/03/1995	Japan
WAL 6	JP07069604	03/14/1995	Japan
WAL 7	JP07069605	03/14/1995	Japan
WAL 8	JP07241473	09/19/1995	Japan
WAL 9	JP09241009	09/16/1997	Japan
WAL 10	JP09301705	11/25/1997	Japan
WAL 11	JP10324507	12/08/1998	Japan

Examiner:

Wayne A. Longel

Date Considered:

7-19-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.

Serial No. 10/618,808

Att'y Docket No. 15913.39.1

Confirmation No. 5792

Group: 1754

Filing Date: July 14, 2003

For:

SUPPORTED CATALYSTS HAVING A CONTROLLED  
COORDINATION STRUCTURE AND METHODS FOR  
PREPARING SUCH CATALYSTS

---

<u>WAL</u> 12	JP10330103	12/15/1998	Japan
<u>WAL</u> 13	EP 1 277 701	07/15/2002	EPO
<u>WAL</u> 14	JP2003010693	01/14/2003	Japan
<u>WAL</u> 15	JP2003024794	01/28/2003	Japan
<u>WAL</u> 16	EP 1 344 747	09/17/2003	EPO
<u>WAL</u> 17	WO 04078740	09/16/2004	PCT

Examiner:

Date Considered:

*Wayne A. Fangel* *7-19-05*  
*Wayne A. Fangel* *7-19-05*  
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with  
MPEP 609, draw line through citation if not in conformance and not considered. Include copy of  
this form with next communication to applicant.

---

Applicant: Bing Zhou, et al.

Serial No. 10/618,808

Att'y Docket No. 15913.39.1

Confirmation No. 5792

Group: 1754

Filing Date: July 14, 2003

For:

SUPPORTED CATALYSTS HAVING A CONTROLLED  
COORDINATION STRUCTURE AND METHODS FOR  
PREPARING SUCH CATALYSTS

---

**References Cited by Applicants**

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

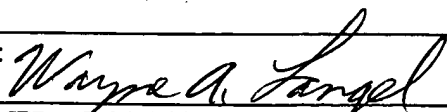
Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

W:\15913\39.1\KCS0000006040V001.doc

Examiner:



Date Considered:

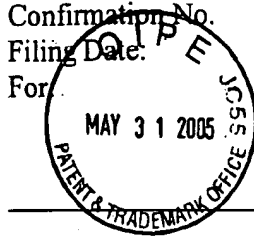
7-19-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

---

Applicant: Bing Zhou, et al.  
Serial No. 10/618,808  
Confirmation No. 5792  
Filing Date: July 14, 2003  
For:

Att'y Docket No. 15913.39.1  
Group: 1754



SUPPORTED CATALYSTS HAVING A CONTROLLED  
COORDINATION STRUCTURE AND METHODS FOR  
PREPARING SUCH CATALYSTS

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

<u>Examiner Initial*</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>
<u>WAL</u> 1	4,007,256	02/08/1977	Kim, et al.
<u>WAL</u> 2	4,009,252	02/22/1977	Izumi, et al.
<u>WAL</u> 3	4,148,750	04/10/1979	Pine
<u>WAL</u> 4	4,279,883	07/21/1981	Izumi, et al.
<u>WAL</u> 5	4,313,806	02/02/1982	Dalton, Jr., et al.
<u>WAL</u> 6	4,336,238	06/22/1982	Dalton, Jr., et al.
<u>WAL</u> 7	4,366,085	12/28/1982	Ikegami
<u>WAL</u> 8	4,369,128	02/18/1983	Moseley, et al.
<u>WAL</u> 9	4,379,778	04/21/1983	Dalton, Jr., et al.
<u>WAL</u> 10	4,661,337	04/28/1987	Brill
<u>WAL</u> 11	4,681,751	07/21/1987	Gosser
<u>WAL</u> 12	4,772,458	09/20/1988	Gosser
<u>WAL</u> 13	4,826,795	05/02/1989	Kitson, et al.
<u>WAL</u> 14	4,832,938	05/23/1989	Gosser

Examiner:

*Wayne A. Langel*

Date Considered:

*7-19-05*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

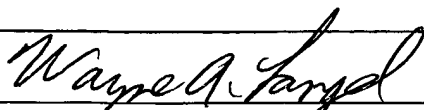
Applicant: Bing Zhou, et al.  
Serial No. 10/618,808  
Confirmation No. 5792  
Filing Date: July 14, 2003  
For:

Att'y Docket No. 15913.39.1  
Group: 1754

SUPPORTED CATALYSTS HAVING A CONTROLLED  
COORDINATION STRUCTURE AND METHODS FOR  
PREPARING SUCH CATALYSTS

<u>WAL</u> 15	4,889,705	12/26/1984	Gosser
<u>WAL</u> 16	4,983,558	01/08/1991	Born
<u>WAL</u> 17	4,996,039	02/26/1991	Prahus, et al.
<u>WAL</u> 18	5,017,535	05/21/1991	Schoonhoven
<u>WAL</u> 19	5,128,114	07/07/1992	Schwartz
<u>WAL</u> 20	5,132,099	07/21/1992	Hiramatsu, et al.
<u>WAL</u> 21	5,135,731	08/04/1992	Gosser, et al.
<u>WAL</u> 22	5,159,618	12/08/1992	Maraschino
<u>WAL</u> 23	5,169,267	08/10/1993	Birbara
<u>WAL</u> 24	5,180,573	02/19/1993	Hiramatsu, et al.
<u>WAL</u> 25	5,194,242	03/06/1993	Paoli
<u>WAL</u> 26	5,234,584	08/10/1993	Birbara
<u>WAL</u> 27	5,236,692	08/17/1993	Nagashima
<u>WAL</u> 28	5,320,821	06/14/1994	Nagashima, et al.
<u>WAL</u> 29	5,352,645	10/04/1994	Schwartz
<u>WAL</u> 30	5,362,405	11/08/1994	Birbara
<u>WAL</u> 31	5,378,450	01/03/1995	Tomita
<u>WAL</u> 32	5,447,706	09/05/1995	Van Weynbergh, et al.

Examiner:



Date Considered:

7-19-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

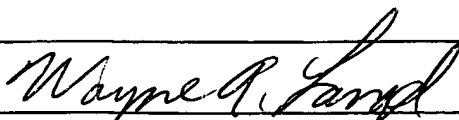
Applicant: Bing Zhou, et al.  
Serial No. 10/618,808  
Confirmation No. 5792  
Filing Date: July 14, 2003  
For:

Att'y Docket No. 15913.39.1  
Group: 1754

SUPPORTED CATALYSTS HAVING A CONTROLLED  
COORDINATION STRUCTURE AND METHODS FOR  
PREPARING SUCH CATALYSTS

<u>WAL</u> 33	5,460,734	10/24/1995	Birbara
<u>WAL</u> 34	5,496,532	03/05/1996	Monzen
<u>WAL</u> 35	5,505,921	04/09/1996	Luckoff, et al.
<u>WAL</u> 36	5,641,467	06/24/1997	Huckins
<u>WAL</u> 37	5,851,948	12/22/1998	Chuang
<u>WAL</u> 38	5,859,265	01/12/1999	Muller
<u>WAL</u> 39	5,972,305	10/26/1999	Park, et al.
<u>WAL</u> 40	6,005,155	12/21/1999	Sun
<u>WAL</u> 41	6,042,804	03/28/2000	Huckins
<u>WAL</u> 42	6,054,507	04/25/2000	Funaki
<u>WAL</u> 43	6,106,797	08/22/2000	Muller
<u>WAL</u> 44	6,117,409	09/12/2000	Bertsch-Frank, et al.
<u>WAL</u> 45	6,159,267	12/12/2000	Hampden-Smith
<u>WAL</u> 46	6,210,651	04/03/2001	Nystrom, et al.
<u>WAL</u> 47	6,239,054	05/29/2001	Shukis
<u>WAL</u> 48	6,299,852	10/09/2001	Nystrom, et al.
<u>WAL</u> 49	6,307,073	10/23/2001	Jones
<u>WAL</u> 50	6,375,920	04/23/2002	Fischer, et al.

Examiner:



Date Considered:

7-19-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.  
 Serial No. 10/618,808  
 Confirmation No. 5792  
 Filing Date: July 14, 2003  
 For:

Att'y Docket No. 15913.39.1  
 Group: 1754

SUPPORTED CATALYSTS HAVING A CONTROLLED  
 COORDINATION STRUCTURE AND METHODS FOR  
 PREPARING SUCH CATALYSTS

<u>WAL</u> 51	6,387,346	05/14/2002	Bertsch-Frank, et al.
<u>WAL</u> 52	6,447,743	09/10/2002	Dene
<u>WAL</u> 53	6,504,040	01/03/2003	Vogtel, et al.
<u>WAL</u> 54	6,534,440	03/18/2003	Choudhary, et al.
<u>WAL</u> 55	6,630,118	10/07/2003	Paparatto
<u>WAL</u> 56	6,635,348	10/21/2003	Hampden-Smith
<u>WAL</u> 57	6,649,140	11/18/2003	Paparatto
<u>WAL</u> 58	6,676,919	01/13/2004	Fischer
<u>WAL</u> 59	6,713,036	03/30/2004	Vanden Bussche, et al.
<u>WAL</u> 60	6,764,671	07/20/2004	Haas, et al.
<u>WAL</u> 61	6,768,013	07/27/2004	Pujado
<u>WAL</u> 62	6,872,377	03/29/2005	Fischer, et al.
<u>WAL</u> 63	6,888,013	05/03/2005	Paparrato, et al.

U.S. Patent Publications

Examiner Initial*	Publication Number	Pub Date	Name
----------------------	-----------------------	-------------	------

Examiner: Wayne R. Langel Date Considered: 7-19-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.  
Serial No. 10/618,808  
Confirmation No. 5792  
Filing Date: July 14, 2003  
For:

Att'y Docket No. 15913.39.1  
Group: 1754

SUPPORTED CATALYSTS HAVING A CONTROLLED  
COORDINATION STRUCTURE AND METHODS FOR  
PREPARING SUCH CATALYSTS

<u>WAL</u> 64	2001/0024634	09/27/2001	Bertsch-Frank, et al.
<u>WAL</u> 65	2003/0086853	05/08/2003	Denc, et al.
<u>WAL</u> 66	2003/0180212	09/25/2003	Huckins
<u>WAL</u> 67	2003/0215383	11/20/2003	Escrig
<u>WAL</u> 68	2004/0013601	01/22/2004	Butz
<u>WAL</u> 69	2004/0037769	02/26/2004	Paparatto, et al.
<u>WAL</u> 70	2004/0037770	02/26/2004	Fischer
<u>WAL</u> 71	2004/0081611	04/29/2004	Muller, et al.
<u>WAL</u> 72	2004/0126312	07/01/2004	Butz, et al.
<u>WAL</u> 73	2004/0151659	08/05/2004	Paparatto, et al.
<u>WAL</u> 74	2004/0151660	08/05/2004	Paparatto, et al.
<u>WAL</u> 75	2004/0184983	09/23/2004	Paparatto

Foreign Patent Documents

Examiner Initial*	Document Number	Publication Date	Country or Patent Office
----------------------	--------------------	---------------------	-----------------------------

Examiner:

*Wayne Langel*

Date Considered:

*7-19-05*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.  
Serial No. 10/618,808  
Confirmation No. 5792  
Filing Date: July 14, 2003  
For:

Att'y Docket No. 15913.39.1  
Group: 1754

SUPPORTED CATALYSTS HAVING A CONTROLLED  
COORDINATION STRUCTURE AND METHODS FOR  
PREPARING SUCH CATALYSTS

<u>WAL</u> 76	WO 00/59635	10/12/2000	PCT
<u>WAL</u> 77	WO 01/05501	01/25/2001	PCT
<u>WAL</u> 78	EP 1 160 195	12/05/2001	EPO
<u>WAL</u> 79	EP 1 160 196	12/05/2001	EPO
<u>WAL</u> 80	WO 02/14217	02/21/2002	PCT
<u>WAL</u> 81	WO 02/14299	02/21/2002	PCT
<u>WAL</u> 82	WO 02/28527	04/11/2002	PCT
<u>WAL</u> 83	WO 02/28528	04/11/2002	PCT
<u>WAL</u> 84	EP 1 277 701	07/15/2002	EPO
<u>WAL</u> 85	WO 02/83550	10/24/2002	PCT
<u>WAL</u> 86	WO 02/92501	11/21/2002	PCT
<u>WAL</u> 87	WO 02/92502	11/21/2002	PCT
<u>WAL</u> 88	WO 03/14014	02/20/2003	PCT
<u>WAL</u> 89	EP 1 308 416	05/07/2003	EPO
<u>WAL</u> 90	EP 1 344 747	09/17/2003	EPO

Examiner:

*Wayne A. Langel*

Date Considered:

*7-19-05*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant: Bing Zhou, et al.

Serial No. 10/618,808

Att'y Docket No. 15913.39.1

Confirmation No. 5792

Group: 1754

Filing Date: July 14, 2003

For: SUPPORTED CATALYSTS HAVING A CONTROLLED  
COORDINATION STRUCTURE AND METHODS FOR  
PREPARING SUCH CATALYSTS

### References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

W:\15913\39.1\KCS0000006027V001.doc

Examiner:

A handwritten signature in cursive script, appearing to read "Wayne A. Engel".

Date Considered:

7-19-05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.